

January 1, 2004

COMMUNICATIONS

Observers will contact the Pelagic Observer Program (POP) using the toll free number **1-800-858-0624** via land line once he/she arrives at the boat and has completed a safety check. Observers will update the POP each day, while on standby to confirm the actual departure time and date. Observers will call in again, when the boat has landed and update the POP on the unloading and discuss how long the observer should remain on site.

While at-sea, the observers primary method of communication is the Single Side Band (SSB) radio. It will be at the observer's discretion as to when radio contact is made with the Miami Lab. However we want at least one radio contact each trip and when a trip exceed 10 days in duration, one radio contact each week. The Miami Lab, call sign **KFU-447** will monitor channel **812** between **1300-1320**, channel **1219** is monitored **1320-1325** and channel **1613**, is monitored when observers are working in the southern or northeast distant waters **1325-1330** each business day.

The secondary method of communication at-sea is Satellite phone. Satellite phone should only be used only when attempts to contact by SSB have failed; you have a question that requires an immediate response or you have an emergency. The primary POP number is (**305/361-4563**) or Dennis Lee's home number, during non business hours.

Communication **is necessary** for the following:

- 1) To provide a last known position for safety. This can be given in degrees Lat & Long or as a geographic location.
- 2) Report work status (see status codes)
- 3) Confirm collection and or sampling protocol
- 4) Alert the lab to an emergency or request assistance.
- 5) Report work hours

Please limit your use of vessel equipment and always conduct yourself professionally. Be aware that anybody can be listening to your transmissions. References to catch should **always** be relayed in specie codes. Examples may include:

1. To report the catch of one longfin mako with pups.
" I have 1-3502 large and 4-3502 small, please advise."
2. To report a tag recapture of one white marlin.
" I have 1-2177 recapture, tag# M350987"

Radio Protocol

During all radio contacts, the lab will ask about your working status?

Please use one of the following codes:

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work status=0   I'm OK, Work OK;
work status=1   I'm OK, Work rough, Workable;
work status=2   I'm OK, Work not OK, Workable;
work status=3   I may not be OK, Work not OK;
work status=4   I'm not OK, Work not OK.
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In work status 0,1 & 2 no immediate action will be taken by the lab. Specific problems, if any will be addressed during the debriefing.

Code 3 denotes a serious situation aboard the vessel. All events will need to be documented and enforcement will be included in the debriefing process.

Code 4 denotes that an observer has suffered an assault or otherwise feels that they may be in jeopardy. In this instance, steps will be taken to involve NOAA enforcement and the United States Coast Guard. An evacuation will be arranged or the vessel will be asked to return to port. Radio communication will be maintained until the observer is off the vessel.

Radio Frequencies

NMFS Labs

KMY	Gloucester MA
KAC	Woods Hole MA
KBR	Beaufort NC
KAF	Highland NJ
KAE	Narangansett RI
KHW	Pascagoula MS
KFU-447	Miami FL

4 MHz BAND

CHAN.	SHIP TX	SHIP RX	USE
408	4086	4378	NMFS/MIAMI LAB USE
419	4119	4411	WLO
422	4128	4420	WOO
423	4131	4423	WOM
424	4134	4426	USCG WEATHER
425	4137	4429	NMFS
426	4140	4432	NMFS
452	4149	4149	4B PRIVATE. COAST/INTERSHIP
453	4417	4417	4C PRIVATE. COAST/INTERSHIP

6 MHz BAND

CHAN.	SHIP TX	SHIP RX	USE
601	6200	6501	USCG WEATHER
602	6203	6504	NMFS
650	6215	6215	DISTRESS AND SAFETY
651	6224	6224	6A PRIVATE. COAST/INTERSHIP
652	6227	6227	6B PRIVATE. COAST/INTERSHIP
653	6230	6230	6C PRIVATE. COAST/INTERSHIP

8 MHz BAND

CHAN.	SHIP TX	SHIP RX	USE
812	8228	8752	NMFS/MIAMI LAB USE
816	8240	8764	USCG WEATHER
825	8267	8791	WOM
826	8270	8794	WOO
828	8276	8800	WLO
850	8291	8291	DISTRESS AND SAFETY
851	8294	8294	8A PRIVATE. COAST/INTERSHIP
852	8297	8297	8B PRIVATE. COAST/INTERSHIP

12 MHz BAND

CHAN.	SHIP TX	SHIP RX	USE
1205	12242	13089	USCG WEATHER
1219	12284	13131	NOAA/MIAMI LAB USE
1222	12293	13140	WOM
1226	12305	13152	WLO
1228	12311	13158	WOO
1250	12290	12290	DISTRESS AND SAFETY
1251	12353	12353	12A PRIVATE. COAST/INTERSHIP
1252	12356	12356	12B PRIVATE. COAST/INTERSHIP
1253	12359	12359	12C PRIVATE. COAST/INTERSHIP

16 MHz BAND

1601	16360	17242	WOM
1613	16396	17278	NOAA/MIAMI LAB USE
1625	16432	17314	USCG WEATHER
1631	16450	17332	WOO
1641	16480	17362	WLO
1650	16420	16420	DISTRESS AND SAFETY
1651	16528	16528	16A PRIVATE. COAST/INTERSHIP
1652	16531	16531	16B PRIVATE. COAST/INTERSHIP
1653	16534	16534	16C PRIVATE. COAST/INTERSHIP

* Those frequencies that are in bold are simplex so transmitting and receiving frequency are the same. Most channels are in duplex so that the ship and shore station have opposite frequencies ie. ship TX=22108 and the shore station RX=22108 and the shore station TX=22804 and the ship RX=22804.

*Weather broadcasts are:

GMT	MIAMI(-4)	MIAMI(-5)	GOM (-6)	BROADCAST AREA	MHz
1130	0730	0630	0530	ALL AREAS	6,8,13
1600	1200	1100	1000	ALL AREAS	6,8,13

1730 1330	1230	1130	HIGH SEAS	6,8,13
2200 1900	1800	1700	ALL AREAS	6,8,13
2330 2030	1930	1830	HIGH SEAS	8.13,16

Phonetic Alphabet

The phonetic alphabet is used to identify any letter of the alphabet, or spell a word or group of letters.

<u>Letter</u>	<u>Phonetic</u>	<u>Spoken as</u>
A	ALPHA	<u>AL</u> PHA
B	BRAVO	<u>BRAH</u> VOH
C	CHARLIE	<u>CHAR</u> LEE
D	DELTA	<u>DELL</u> TAH
E	ECHO	<u>ECK</u> OH
F	FOXTROT	<u>FOXS</u> TROT
G	GULF	GOLF
H	HOTEL	<u>HOH</u> TELL
I	INDIA	<u>IN</u> DEE AH
J	JULLIET	<u>JEW</u> LEE ETT
K	KILO	<u>KEY</u> LOH
L	LIMA	<u>LEE</u> MAH
M	MIKE	MIKE
N	NOVEMBER	NO <u>VEM</u> BER
O	OSCAR	<u>OSS</u> CAH
P	PAPA	PAH <u>PAH</u>
Q	QUEBEC	KEH <u>BECK</u>
R	ROMEO	<u>ROW</u> ME OH
S	SIERRA	SEE <u>AIR</u> RAH
T	TANGO	<u>TANG</u> GO
U	UNIFORM	<u>YOU</u> NEE FORM
V	VICTOR	<u>VIC</u> TAH
W	WHISKEY	<u>WISS</u> KEY
X	XRAY	<u>ECKS</u> RAY
Y	YANKEE	<u>YANK</u> KEY
Z	ZULU	<u>ZOO</u> LOO

Pronunciation of numerals

To distinguish numerals from words having the same sound, the PROWORD "FIGURES" is used preceding such numbers.

<u>Number</u>	<u>Spoken</u>	<u>Number</u>	<u>Spoken</u>
0	ZE-RO	5	FIFE
1	WUN	6	SIX
2	TOO	7	SEV-EN
3	TREE	8	AIT
4	FOW-ER	9	NIN-ER
DECIMAL	DAY-SEE-MAL	THOUSAND	THOU-SAND

Note: A hyphen represents a pause. Numbers shall be transmitted by pronouncing each digit separately except in the case of whole thousands.

<u>Numbers</u>	<u>Spoken</u>
10	wun ze-ro
75	sev-en fife
100	wun ze-ro ze-ro
583	fife ait tree
3,000	tree thou-sand
11,000	wun wun thou-sand
38,143	tree ait wun fow-er tree
122.4	wun too too day-see-mal fow-er

TIME 2400 hour system

0920 (spoken as) ze-ro nin-er too ze-ro

1643 (spoken as) wun six fow-er tree

PROWORDS

Proword are word or phrases which have been assigned meanings. Do not substitute prowords for textual matter in a message. Slang expressions are strictly forbidden.

<u>Prowords</u>	<u>Meaning</u>
AFFIRMATIVE	Yes response to a question or existing situation.
ALL AFTER	The message portion I have referenced is as follows.
ALL BEFORE	The message portion I have referenced precedes.
BREAK	Indicates the separation of the text from other portions of the message.
CORRECT	You are correct, or what you have transmitted is correct.
CORRECTION	An error has been made in this transmission. Transmission will continue with the last word correctly sent. The correct version is.
DISREGARD THIS TRANSMISSION	This transmission is in error. Disregard it.
FIGURES	Numerals follow.
FROM	The originator of this message is indicated by the address designation immediately following.
I READ BACK	The following are my response to your instructions to read back.
I SAY AGAIN	I am repeating transmission or portion indicated at your request.
MESSAGE	A message which must be recorded is about to follow.
NEGATIVE	No to a question or existing situation.
OUT	This is the end of my transmission to you and

	no answer is required.
OVER	This is the end of my transmission to you and a response is necessary: Go ahead, transmit.
READ BACK	Repeat this entire transmission back to me exactly as received.
RELAY (TO)	Transmit this message to all addressees or to the address designations immediately following.
ROGER	I have received your transmission satisfactorily.
SAY AGAIN	Repeat all of your last transmission.
SPEAK SLOWER	Reduce speed of transmission, it's too fast.
STAND BY	I must pause for more than a few seconds.
UNKNOWN STATION	The identity of the station I am attempting to establish communication is unknown.
WORD AFTER	The word of the message to which I have reference is that which follows.
WORD BEFORE	The word of the message to which I have reference is that which precedes.
WORDS TWICE	Communication is bad. Transmit each phrase twice.